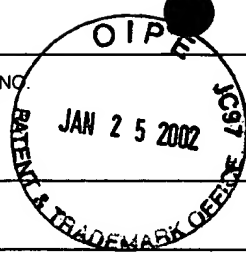


#4

SHEET 1 OF 2

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. GTSYS.003C1	APPLICATION NO. 09/919,758
	APPLICANT Liang, et al.	
	FILING DATE July 31, 2001	GROUP <del>Unknown</del> 1637



RECEIVED  
JAN 31 2002  
TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
TS	1.	✓ 4,897,355	01/30/1990	Eppstein et al.			
	2.	✓ 5,459,127	10/17/1995	Felgner et al.			
	3.	✓ 5,561,053	10/01/1996	Crowley			
	4.	✓ 5,621,080	04/15/1997	Lin			
TS	5.	✓ 6,165,720	12/26/2000	Felgner et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
TS	6.	✓	Almarsson, et al., "Peptide nucleic acid (PNA) conformation and polymorphism in PNA-DNA and PNA-RNA hybrids", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 90, pp. 9542-9546, (1993)					
	7.	✓	Bentin, et al., "Enhanced Peptide Nucleic Acid Binding to Supercoiled DNA: Possible Implications for DNA "Breathing" Dynamics", <u>Biochemistry</u> , 35, pp. 8863-8869 (1996)					
	8.	✓	Clark, James M., "Novel non-templated nucleotide addition reactions catalyzed by procaryotic and eucaryotic DNA polymerases", <u>Nucleic Acids Research</u> , Vol. 16, No. 20, pp. 9677-9686, (1988)					
TS	9.	✓	Demidov, et al., "Stability of peptide nucleic acids in human serum and cellular extracts", <u>Biochemical Pharmacology</u> , Vol. 48, No. 6, pp. 1310-1313, (1994)					

EXAMINER Teresa Steneckia	DATE CONSIDERED 5/6/03
------------------------------	---------------------------

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GTSYS.003C1	APPLICATION NO. 09/919,758
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Liang, et al.	GROUP Unknown 1637
		FILING DATE July 31, 2001	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
TS	10. Demidov, et al. "Kinetics and mechanism of polyamide ("peptide") nucleic acid binding to duplex DNA", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 92, pp. 2637-2641, (March 1995)
	11. Egholm, et al., "Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA)" <u>J. American Chemical Society</u> , 114, pp. 9677-9678, (1992)
	12. Egholm, et al., "PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules" <u>Nature</u> , Vol. 365: 566-568, (1993)
	13. Egholm, et al., "Efficient pH-independent sequence-specific DNA binding by pseudoisocytosine-containing bis-PNA" <u>Nucleic Acids Research</u> , Vol. 23, No. 2, pp. 217-222 (1995)
	14. Fakhfakh, et al., "Cell-free cloning and biolistic inoculation of an infectious cDNA of potato virus Y" <u>Journal of General Virology</u> , 77, pp. 519-523 (1996)
	15. Felgner, et al., "Nomenclature for Synthetic Gene Delivery Systems", <u>Human Gene Therapy</u> , 8, pp. 511-512, (1997)
	16. Griffith, et al., "Single and Bis Peptide Nucleic Acids as Triplexing Agents: Binding and Stoichiometry", <u>J. American Chemical Society</u> , 117, pp. 831-832 (1995)
	17. Higuchi, Russell, "Recombinant PCR", <u>PCR Protocols: A Guide to Methods of Applications</u> , Ch. 22, pp. 177-183, (1990)
	18. Ido, et al., "Construction of T-Tailed Vectors Derived from a pUC Plasmid: a Rapid System for Direct Cloning of Unmodified PCR Products", <u>Biosci. Biotech. Biochem.</u> , 61 (10), pp. 1766-1767, (1997)
	19. Li, et al., "Delivery of a PCR amplified DNA fragment into cells: a model for using synthetic genes for gene therapy", <u>Gene Therapy</u> , 4, pp. 449-454 (1997)
	20. Nielsen, et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide", <u>Science</u> , Vol. 254, pp. 1497-1500, (1991)
TS	21. Sykes, et al., "Linear expression elements: a rapid, in vivo, method to screen for gene functions", <u>Nature Biotechnology</u> , Vol. 17, pp. 355-359, (1999)

1766-1767, (1997)

1766-1767, (1997)

EXAMINER Teresa Stancich	DATE CONSIDERED 5/6/03
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	